

Thornton Cleveleys
Urban District Council.

*With the
Compliments
of the
Medical Officer of
Health*

*Council Offices,
Thornton Cleveleys,
Blackpool.*



THORNTON CLEVELEYS
URBAN DISTRICT COUNCIL

ANNUAL REPORT
OF THE
MEDICAL OFFICER OF HEALTH
AND
CHIEF PUBLIC HEALTH INSPECTOR
FOR THE YEAR
1965

THORNTON CLEVELYS
URBAN DISTRICT COUNCIL

HEALTH COMMITTEE - 1965.

CHAIRMAN:

Councillor MISS. E. PORTER, J.P., M.R.S.H.

VICE CHAIRMAN:

Councillor MRS. L. Le JEUNE.

Councillor C. R. ASHWORTH.

Councillor A. FEENEY.

Councillor J. H. GROUT.

Councillor S. HARDMAN.

Councillor MRS. F. HULL, J.P.

Councillor F. PARKINS.

Councillor T. WARD.

CHAIRMAN OF THE COUNCIL:

Councillor F. A. RICHARDS, J.P.

P U B L I C H E A L T H O F F I C E R S .

MEDICAL OFFICER OF HEALTH:

CHARLES ROBERTSON WILSON, M.B.,Ch.B.,D.P.H.
(Retired August,1965)

JOHN E. MORRIS, B.Sc.,M.B.,B.Ch.,D.P.H.,D.I.H.,D.C.H.
(Commenced August,1965)

CHIEF PUBLIC HEALTH INSPECTOR
AND CLEANSING OFFICER:

ARTHUR EDWARD BARNES, M.R.S.H.,M.P.H.I.A.,M.I.P.C.
(Certified Meat and Food Inspector).

DEPUTY CHIEF PUBLIC HEALTH INSPECTOR.

KENNETH ERNEST EMERY, M.R.S.H.,M.P.H.I.A.,
Food Hygiene Diploma - Royal Society of Health.
(Certified Meat and Food Inspector)

S T A F F :

TECHNICAL:

PUBLIC HEALTH INSPECTOR:

EDWARD LYLE COBB, Cert. P.H.I.E.B.,
(Certified Meat and Food Inspector).

PUPIL PUBLIC HEALTH INSPECTOR.

ARNOLD EARL PORTER.

CLERICAL:

CHIEF CLERK:

MISS S. A. SIMCOCK.

CLERK:

MISS B. A. EDMONSON.
(Resigned Sept. 1965).

/ MISS M. KEIRBY.
(From Oct.1965)

MEDICAL OFFICER'S REPORT.

Council Offices,
THORNTON CLEVELEYS.

To the Chairman and Members of the
Thornton Cleveleys Urban District Council.

Mr. Chairman, Ladies and Gentlemen,

I have the honour to present the Annual Report of the
Medical Officer of Health for the year 1965.

Dr. Robertson Wilson retired from the position of Medical
Officer of Health for the District in August 1965 and I took up my duties
following his retirement. I would like to thank the Chairman and
Members of the Health Committee and also the Staff of the Health Department
for the very warm welcome accorded to me.

The health of the area remained satisfactory during 1965 and
there were no serious outbreaks of infectious disease, although 355 cases of
infectious disease were notified in the area during the year as compared
with 252 cases notified during the previous year.

The vital statistics for the district were satisfactory and
compare favourably with the figures for Lancashire as a whole.

Yours faithfully,

J. E. MORRIS.

Medical Officer of Health.

VITAL STATISTICS.

Home Population (Registrar - General's Estimate, mid-1965)			22,650
<u>LIVE BIRTHS:</u>	M.	F.	Total.
Legitimate	158	160	318
Illegitimate	9	5	14
	<u>167</u>	<u>165</u>	<u>332</u>
Live Birth Rates per 1,000 of Population:-			
Crude Rate			14.7
Adjusted Rate			17.6
Illegitimate live births per cent of total live births			4.2
<u>DEATHS (ALL CAUSES):</u>	M.	F.	Total.
Number registered	186	189	375
Death Rate per 1,000 of Population:-			
Crude Rate			16.6
Adjusted Rate			12.2
<u>STILLBIRTHS:</u>	M.	F.	Total.
Legitimate	5	3	8
Illegitimate	1	-	1
	<u>6</u>	<u>3</u>	<u>9</u>
Rate per 1,000 total births			26.4
<u>MATERNAL MORTALITY:</u>			
Number of deaths registered			Nil.
Maternal mortality Rate per 1,000 total births			Nil.
<u>INFANT MORTALITY:</u>	M.	F.	Total.
Number of deaths registered (Under 1 year)			
Legitimate	3	2	5
Illegitimate	-	-	-
	<u>3</u>	<u>2</u>	<u>5</u>
Rate per 1,000 Live Births			15.1
Rate per 1,000 Live Births (Legitimate)			15.1
Rate per 1,000 Live Births (Illegitimate)			-
<u>NEO-NATAL:</u>	M.	F.	Total.
Number of deaths registered (under 4 weeks)			
Legitimate	2	2	4
Illegitimate	-	-	-
	<u>2</u>	<u>2</u>	<u>4</u>
Rate per 1,000 Live Births			12.0
Number of deaths registered (under 1 week)	M.	F.	Total.
Legitimate	1	2	3
Illegitimate	-	-	-
	<u>1</u>	<u>2</u>	<u>3</u>
Rate per 1,000 Live Births			9.0
Perinatal mortality rate per 1,000 total births ..			35.2

	PER 1,000 OF ESTIMATED POPULATION.				Maternal Mortality Rate.	Infantile Mortality Rate.
	Live Birth Rate (Crude).	Crude Death Rate.	Death Rate from Tuberculosis of respiratory system.	Death Rate from Cancer.		
MEAN OF 5 YEARS:					Per 1,000 Live Births.	Per 1,000 Live Births.
1960-4	15.0	16.8	0.10	2.92	Nil	16.92
1964	15.3	17.8	0.05	2.94	Nil	11.2
1965	14.7	16.6	0.04	2.78	Nil	15.1
INCREASE OR DECREASE IN 1965 ON 5 YEARS' AVERAGE:						
1960-1964.	- 0.3	- 0.2	- 0.06	- 0.14	Nil	- 1.82
ON PREVIOUS YEAR:						
1964.	- 1.5	- 1.2	- 0.01	- 0.16	Nil	+ 3.9

1965 - Adjusted Birth Rate (Comparability factor 1.20) = 17.6
1965 - Adjusted Death Rate (Comparability factor 0.74) = 12.2

BIRTH, DEATH & INFANTILE MORTALITY RATES (ADJUSTED):

Year.	Birth Rate.	General Death Rate.	Infantile Mortality Rate.
1960	15.0	14.4	19
1961	15.0	15.2	26
1962	14.4	16.0	10
1963	18.3	13.6	18
1964	19.4	13.5	11
1965	17.6	12.2	15

STATISTICAL SUMMARY.

Area in statute acres	3,355
Population (1964 Census)	22,020
Population (Estimated mid-1965)	22,650
Density of Population per acre	6.5
Estimated number of inhabited houses (Dec. 1965)	9,302
Average number of persons per house	2.4
Rateable Value	£1,281,802
Sum represented by a penny Rate	£5,180
Live Births	332
Live Birth Rate per 1,000 Population (adjusted)	17.6
Still Births	9
Still Birth Rate per 1,000 live and still births	26.4
Total live and still births	341
Total Deaths	375
Death Rate per 1,000 Population (adjusted)	12.2
Infant deaths (under 1 year)	5
Infant mortality rate per 1,000 live births (total)	15.1
Infant mortality rate per 1,000 live births (legitimate)	15.1
Infant mortality rate per 1,000 live births (illegitimate)...	Nil.
Neo-natal mortality rate per 1,000 live births (first 4weeks)	12.0
Early Neo-natal mortality rate per 1,000 live births	4.2
Maternal deaths (including abortion)	Nil.
Maternal mortality rate per 1,000 live and still births	Nil.
Respiratory Tuberculosis Rate per 1,000 population	0.04
Cancer Death Rate (Malignant Neoplasm)	2.78
Influenza Death Rate	Nil.
Pneumonia (all forms) death rate	0.26
Other Respiratory diseases (all forms)	1.36

LOCAL ACTS IN FORCE IN THE DISTRICT
DEALING WITH SANITARY ADMINISTRATION.

Thornton Urban District Council Act	31st July, 1923
Thornton Cleveleys Improvement Act	31st July, 1936
Lancashire County Council (General Powers) Act	1951

BYE-LAWS.

New Streets and Buildings	1926 & 1937
Building Bye-laws (Public Health Act, 1936)	1954
Pleasure Grounds	1938
Bye-laws under Sec. 15 Food & Drugs Act, 1938	1950
Bye-laws under Sec. 81 Public Health Act, 1936	1951
Bye-laws under Sec. 61 Public Health Act, 1936 & Sec. 24 Clean Air Act, 1956	1959

PHYSICAL FEATURES AND GENERAL
CHARACTER OF THE DISTRICT.

By the Lancashire (Central and Western Areas) Review Order, 1934, a part of the Township of Carleton, containing 354 acres, was added to the Urban District on the 1st April, 1934. The district is bounded on the West by the Irish Sea; on the East by the River Wyre; on the North by the Borough of Fleetwood and on the South by the County Borough of Blackpool.

GEOLOGY.

The general sub-soil of the district is clay which is overlaid with a thick layer of alluvial deposit (blue silt), varying in thickness from four to eight feet. On top of this is a thin layer (about four inches) of peaty matter. This was found in considerable thickness in Butts Road, (North Ward) and also in Fleetwood Road (East Ward). On top of this again is a layer of sandy soil or a mixture of soil and clay, varying in thickness from two and a half feet to four feet. The surface covering is about six inches in thickness. From above downward we get: (1) surface covering, (2) mixture of soil and clay or sandy soil, (3) peat, (4) silt, (5) boulder clay.

CLIMATE.

The prevailing wind is a westerly sea breeze and together with the usually mild winters, produces a temperate and very bracing climate.

AREA AND DETAILS OF POPULATION.

As previously mentioned, the area of Thornton Cleveleys was increased by the inclusion of a part of the Parish of Carleton, on the 1st April, 1934, the total area now being given as 3,355 acres.

The average number of persons per acre is 6.7.

WARD BOUNDARIES.

The Ward Boundaries were altered during 1963 and two new Wards were formed, namely North Central and South Central. The new Wards are now as follows:-

- NORTH WARD. - The number of houses in North Ward is 1,732.
- NORTH C. - The number of houses in North Central Ward is
WARD. 1,451.
- SOUTH WARD. - The number of houses in South Ward is 1,458.
- SOUTH C. - The number of houses in South Central Ward is
WARD 1,541.
- EAST WARD. - The number of houses in East Ward is 1,660.
- WEST WARD. - The number of houses in West Ward is 1,460.

SOCIAL CONDITIONS, INDUSTRIES, ETC.

During the last few years, the Cleveleys portion of the district has rapidly developed as a seaside holiday resort and with the additional amenities now provided, together with the activities of private builders, the district as a whole has greatly benefited.

The largest employers of labour within the district are the Imperial Chemical Industries Ltd., who have large chemical and plastic Works on the Northern boundary. There is still a large portion of the district devoted to agriculture. Many people are employed at the Offices of the Ministry of Health, Pensions and National Insurance which are situated in our area.

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VITAL STATISTICS.BIRTHS.

During the year 332 births were recorded by the Registrar-General, comprising 167 males and 165 females.

Birth Rate for district (adjusted): 17.6 per 1,000 as against 19.4 for 1964.

Still-births: 26.4 per 1,000 (live and still) births.

DEATHS.

Based on a population of 22,650, the Registrar-General gives the Death Rate (adjusted) as 12.2 compared with 13.5 for 1964.

The allocation to the various Wards of the district (after excluding transferable deaths and including local residents dying outside the district) is as follows:-

<u>Ward.</u>	<u>Males.</u>	<u>Females.</u>	<u>Total.</u>
North	41	25	66
North Central	27	27	54
South	23	33	56
South Central	32	40	72
East	23	29	52
West	39	36	75
	<u>185</u>	<u>190</u>	<u>375</u>

DEATH RATE PER 1,000 OF POPULATION FOR:

(1)	Influenza	Nil.
(2)	Other Respiratory Diseases (all forms)	1.36
(3)	Pneumonia (all forms)	0.26
(4)	Tuberculosis - Pulmonary	0.04
(5)	Tuberculosis - Non-Pulmonary	Nil.
(6)	Malignant Neoplasm - (Cancer)	2.78

INQUESTS AND INQUIRIES.

During the year there were 27 Inquests on persons dying in this area, as follows:-

<u>NORTH WARD:</u>	<u>Years:</u>	<u>Causes of death;</u>
1. Male	55	Natural causes.
2. Male.	79	Broncho Pneumonia.
3. Male.	58	Right sided heart failure due to chronic bronchitis.
4. Male.	70	Coronary Thrombosis.
5. Female.	58	Misadventure - coal gas poisoning.
<u>NORTH CENTRAL WARD:</u>		
6. Male.	46	Coronary Thrombosis.
7. Female.	75	Coronary Thrombosis.
8. Male.	76	Coronary Thrombosis.
<u>SOUTH WARD:</u>		
9. Male.	51	Myocardial Infarction due to atheroma of coronary arteries.
10. Male.	51	Left ventricular failure.
11. Female.	76	Haemopericardium; rupture of myocardial Infarc., atheroma of coronary arteries.
12. Male	62	Misadventure-asphyxia due to inhalation of food.
13. Male.	63	Cardiac Infarction due to coronary occlusion.
<u>SOUTH CENTRAL WARD:</u>		
14. Male.	49	Coronary Thrombosis.
15. Male.	60	Myocardial Ischaemia due to atheroma of coronary arteries.
16. Female.	69	Ruptured heart due to coronary thrombosis.
<u>EAST WARD:</u>		
17. Female.	61	Suicide - coal gas poisoning.
18. Male.	77	Massive haemorrhage into retro-peritoneal tissue due to rupture of the aorta.
19. Female.	45	Acute gastro enteritis.
20. Female.	65	Suicide - overdose of nembutal capsules.
<u>WEST WARD:</u>		
21. Female.	77	Coronary Thrombosis.
22. Male	2 mths.	Misadventure - asphyxia due to inhalation of vomit.
23. Male.	60	Coronary Occlusion.
24. Female.	73	Left ventricular failure due to coronary occlusion.
25. Male.	70	Coronary occlusion due to coronary thrombosis.
26. Female.	69	Ischaemic myocardial fibrosis due to atheroma of coronary arteries.
27. Female.	75	Coronary Thrombosis.

AGES AT DEATH.

	<u>Males.</u>	<u>Females.</u>	<u>Total.</u>
Under 1 week	1	2	3
1 week - 6 months	2	-	2
6 months - 12 months	-	-	-
TOTAL UNDER 1 YEARS... ..	3	2	5
1 - 4 years	-	1	1
TOTAL UNDER 5 YEARS... ..	3	3	6
5 - 14 years	-	2	2
15 - 24 years	1	-	1
25 - 44 years	7	1	8
45 - 64 years	38	38	76
65 years and over	136	146	282
ALL AGES - TOTAL:	185	190	375
	=====	=====	=====

CAUSES OF DEATH.

	<u>Males.</u>	<u>Females.</u>	<u>Total.</u>
Tuberculosis - Respiratory	1	-	1
Other infective & parasitic diseases	2	-	2
Malignant Neoplasm, stomach	8	3	11
Malignant Neoplasm, Lung, Bronchus	12	1	13
Malignant Neoplasm, Breast	-	4	4
Malignant Neoplasm, uterus	-	2	2
Other Malignant & Lymphatic Neoplasms	15	18	33
Leukaemia & Aleukaemia	1	-	1
Diabetes... ..	2	-	2
Vascular lesions of nervous system	26	42	68
Coronary disease, angina	40	29	69
Hypertension with heart disease	4	6	10
Other heart disease	22	39	61
Other circulatory disease	8	8	16
Pneumonia	4	2	6
Bronchitis	21	9	30
Other diseases of Respiratory system	-	1	1
Ulcer of Stomach and Duodenum	4	-	4
Gastritis, Enteritis and Diarrhoea	-	2	2
Nephritis and Nephrosis	1	3	4
Congenital malformations	2	1	3
Other defined and ill-defined diseases	3	10	13
Motor Vehicle accidents	3	-	3
All other accidents	7	7	14
Suicide	-	2	2
ALL CAUSES - TOTAL:	186	189	375
	=====	=====	=====

There were 355 cases of Infectious Disease notified during the year, as against 252 cases during 1964 and were as follows:-

	<u>Total cases notified:</u>
Measles	212
Chicken Pox	49
Scarlet Fever	51
Whooping Cough	3
Pulmonary Tuberculosis	4
Non-Pulmonary Tuberculosis	1
Food Poisoning	4
Dysentery	25
Paratyphoid B	4
Ophthalmia Neonatorum	2
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	355

The distribution in relation to the various wards of the district is as follows:-

	N.	NC.	S.	SC.	E.	W.	T.
Measles	37	61	28	31	34	21	212
Chicken Pox	6	21	6	6	2	8	49
Scarlet Fever	7	4	22	1	17	-	51
Whooping Cough .. .	-	-	-	-	2	1	3
Pulmonary Tuberculosis	-	3	-	-	1	-	4
Non-Pulmonary Tuberculosis	1	-	-	-	-	-	1
Food Poisoning .. .	2	-	-	-	1	1	4
Dysentery... ..	4	-	5	1	3	12	25
Paratyphoid B	-	3	1	-	-	-	4
Ophthalmia Neonatorum	1	-	-	-	1	-	2
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	58	92	62	39	61	43	355

FOOD POISONING OUTBREAKS.

No. of Cases.	No. of Deaths.	Organisms or other agents responsible.	Foods involved.
4	-	Salmonella Muenchen 1 Salmonella Typhimurium 1 Salmonella Entiridis 2	Not known.

C A S E S N O T I F I E D.

A G E P E R I O D S.

DISEASE:	Under 1 Year.	1-2	2-3	3-4	4-5	5- 10	10- 15	15- 20	20- 35	35- 45	45- 65	Over 65	T O T A L
Measles.	8	23	30	31	35	83	1	1	-	-	-	-	212
Chicken Pox.	-	5	2	9	4	22	3	2	-	1	-	1	49
Scarlet Fever.	-	-	1	2	1	41	5	-	1	-	-	-	51
Whooping Cough.	-	-	1	1	-	1	-	-	-	-	-	-	3
Pulmonary Tuberculosis.	-	-	-	-	-	-	-	2	-	2	-	-	4
Non-Pulmonary Tuberculosis.	-	-	-	-	-	-	-	-	-	-	-	1	1
Dysentery.	1	-	-	-	2	9	7	-	1	2	3	-	25
Food Poisoning.	-	-	-	-	-	-	-	-	-	-	4	-	4
Paratyphoid B	-	-	-	-	-	-	-	3	1	-	-	-	4
Ophthalmia Neonatorum	2	-	-	-	-	-	-	-	-	-	-	-	2
TOTALS:	11	28	34	43	42	156	16	8	3	5	7	2	355

C A S E S N O T I F I E D.

The following Table shows the number of cases and the Months in which they were notified.

DISEASE:	JAN.	FEB.	MARCH.	APRIL.	MAY.	JUNE.	JULY.	AUGUST.	SEPT.	OCT.	NOV.	DEC.	TOTAL.
Measles.	42	21	19	10	15	43	52	6	-	-	1	3	212
Chicken Pox	13	9	6	2	-	3	1	6	2	2	3	2	49
Scarlet Fever	9	9	10	6	3	-	1	1	2	3	3	4	51
Whooping Cough	-	-	-	-	-	2	1	-	-	-	-	-	3
Pulmonary Tuberculosis	-	1	2	-	-	-	-	-	-	-	-	1	4
Non-Pulmonary Tuberculosis	-	-	-	-	-	-	1	-	-	-	-	-	1
Food Poisoning	-	-	-	-	-	1	-	-	1	1	1	-	4
Dysentery	-	1	-	7	3	13	-	-	-	-	1	-	25
Paratyphoid B	-	-	-	-	-	-	-	4	-	-	-	-	4
Ophthalmia Neonatorum	-	1	-	-	-	-	-	-	1	-	-	-	2
TOTAL:	64	42	37	25	21	62	56	17	6	6	9	10	355

T U B E R C U L O S I S .

The following Table shows the age periods of the cases notified and deaths which have occurred.

AGE GROUPS	NEW CASES:				DEATHS:			
	PULMONARY.		NON-PULMONARY.		PULMONARY.		NON-PULMONARY.	
	MALES.	FEMALES.	MALES.	FEMALES.	MALES.	FEMALES.	MALES.	FEMALES.
1 - 5 yrs.	-	-	-	-	-	-	-	-
5 - 10 yrs.	-	-	-	-	-	-	-	-
10 - 15 yrs.	-	-	-	-	-	-	-	-
15 - 20 yrs.	1	1	-	-	-	-	-	-
20 - 25 yrs.	-	-	-	-	-	-	-	-
25 - 35 yrs.	-	1	-	-	-	-	-	-
35 - 45 yrs.	1	-	-	-	-	-	-	-
45 - 55 yrs.	-	-	-	-	-	-	-	-
55 - 65 yrs.	-	-	-	-	-	-	-	-
65 yrs. and over.	-	-	-	-	1	-	1	-
Age unknown.	-	-	-	-	-	-	-	-
TOTAL:	2	2	-	-	1	-	1	-

ANNUAL REPORT OF THE CHIEF PUBLIC HEALTH INSPECTOR.TO THE CHAIRMAN AND MEMBERS OF THE
THORNTON CLEVELEYS URBAN DISTRICT COUNCIL.

Mr.Chairman, Ladies and Gentlemen,

I have pleasure in submitting my Annual Report on the Public Health and Cleansing Department, for the year 1965.

The services of an additional Inspector throughout the year enabled the department to carry out many routine inspections which previously it had not been possible to do. Constant attention was given to all matters coming under the control of the department.

During the year a survey of houses without all or some of the standard amenities, was carried out and owners were communicated with. The response and co-operation we have received has been very good. The survey of houses in multiple occupation was completed during the year and the Council adopted reasonable standards which it is intended should apply to such premises.

Good progress has been achieved and maintained in the implementation of the requirements of the Food Hygiene Regulations and this work must continue to be an important part of the work of the department.

The district is continually growing and this causes a problem so far as the Cleansing services are concerned. Extensions in the form of vehicles or labour are required if the weekly collection from all premises is to be maintained. The refuse disposal point at the River Wyre foreshore was completed during the year and tipping was resumed at Bourne Hall. The future of refuse disposal in this area was under review by the Council at the end of the year.

The County Public Health authorities, under the control of Dr.S.C.Gawne, County Medical Officer of Health, carried out a survey and inspection of the Urban District during the year.

In conclusion, I wish to accord my thanks to the Chairman and Members of the Health Committee and Council, for their helpful co-operation and continued interest in all public health matters concerning the welfare of the district.

I also tender my grateful thanks to the administrative and technical staff for their loyalty and support during the year.

I am, Mr.Chairman, Ladies & Gentlemen,

Yours faithfully,

A. E. BARNES.

Chief Public Health and Cleansing Officer.

SANITARY CIRCUMSTANCES IN THE AREA.WATER SUPPLY.

The district is supplied by the Fylde Water Board, the water being of good quality, pleasantly soft and of a peaty nature. Only one outlying house depends on well water.

Three samples of water were taken by this department from the mains supply; two were submitted for bacteriological examination and one for chemical analysis. The three samples were satisfactory.

Twenty-five samples of mains water were taken by the Fylde Water Board and the following information has been supplied by them.

No. of samples taken...	25
No. free from Coliform organism ...	25
% satisfactory. ...	100

Aerobic micro-organisms growing in Yeastral Agar:

No. of colonies per ml. of sample -

In 2 days @ 37°C..	2
In 3 days @ 22°C..	7

No complaints were received during the year with respect to the water supply.

From information received from the Fylde Water Board, the fluoride content of all the water supplied, is less than 0.1 p.p.m. as F.

STATISTICS.

Total number of houses supplied by Fylde Water Board...	9,301
Total number of houses dependent upon well water...	1
	<u>9,302</u>

The only house in the district dependent upon well water, is remote from a mains supply and it would be an advantage if this house could be connected to the mains supply. This question was being pursued at the end of the year.

TYPICAL CHEMICAL ANALYSIS OF THE FYLDE WATER SUPPLY.

	<u>Summer supply.</u>	<u>Winter supply.</u>
Appearance.	Clear & Bright.	Clear & Bright.
Colour (Hazen p.p.m. Pt).	1	6
Turbidity(p.p.m. Silica)	Nil.	Nil.
Odour.	Nil.	Nil.
Taste.	Normal.	Normal.
Reaction pH Value.	8.2 8.2	7.3
	p.p.m.	
Residual Chlorine.	0.05	0.08
Free & Saline Ammonia as N ₂ .	0.05	0.09
Albuminoid Ammonia as N ₂ .	0.04	0.08
Nitrous Nitrogen as N ₂ .	Nil.	Nil.
Nitric Nitrogen as N ₂ .	0.39	0.40
Oxygen absorbed 4 hrs @ 27°C.	0.42	0.53
Free Acidity as CO ₂ .	Less than 5.	Less than 5
Carbonate Hardness as CaCO ₃ .	66	19
Total Hardness as CaCO ₃ .	75	44
Non-carbonate Hardness as CaCO ₃	15	25
Excess Alkalinity as Na ₂ CO ₃	Nil.	Nil.
Calcium as CaCO ₃	59	37
Magnesium as CaCO ₃	16	7
Total Solids dried at 180°C.	128	90
Chloride as Cl.	15	12
Sulphate as SO ₄ .	21	18
Lead as Pb.	Nil.	Nil.
Manganese as Mn.	Nil.	Nil.
Copper as Cu.	Nil.	Nil.
Iron as Fe.	Nil.	0.05
Aluminium as Al ₂ O ₃ .	0.10	0.16
Fluoride as F.	Less than 0.1	Less than 0.1

DRAINAGE AND SEWERAGE.

Owing to the flat nature of the district, a system of electrical pumps and ejectors worked by compressed air, is in operation. The sewage is discharged near dead low water mark into the sea. No extensive additions were made to the sewers during the year but additions were made to drain new housing estates.

The question of adequacy or inadequacy of the sewage system in the area is now receiving the attention of the Council working with Consultants and the reports are under active consideration.

Statistics.

Dwelling-houses using water carriage system...	9,290
Dwelling-houses using privy middens...	1
Dwelling-houses using pail closets ...	10
Dwelling-houses dependent upon well water. ...	1

CONVERSIONS DURING YEAR.

There were no conversions during the year. The sewers need to be extended before it is possible for further conversions to take place. There are twelve houses without modern sanitary accommodation and these are mostly farms or outlying cottages and to which no sewers are yet available. There is still one privy midden to a dwelling-house and this will be converted during 1966. The work was in hand at the end of the year. A proposal to extend a sewer in one part of the district will eliminate at least three pail closets.

DRAINAGE.

There are some premises in the district which are not connected to the Council's sewers but which have septic tanks and filters, some of which discharge to adjacent watercourses. Some of these are not satisfactory but are mostly in districts where no sewers are available. The extension of the sewer mentioned above will enable 4/5 premises to be connected in lieu of septic tanks.

Improvements obtained as a result of action by the department.

Drains cleansed from obstruction...	372
Drains relaid..	4
Provision of new trap, rest bends, waste pipes, manhole cover..	5
Drains repaired....	4
Defective W.C.cistern repaired. ...	1
Inspection chamber built...	1

The department employs a man part-time on drainage work, the cost of clearing and cleansing the blocked drains being borne by the owner or occupier. This service to the public is much appreciated and also helps in the efficient working of the department. Preparation and service of notices is thus avoided unless the blockage is due to structural defect of the drains.

PUBLIC CLEANSING.

The work of the Public Cleansing section of the department has proceeded in a satisfactory manner. The collection of refuse is carried out by one "W" type S.D. fore and aft tipper and two "TW" type diesel fore and aft tippers, all with cabs to accommodate drivers and loaders. Wastepaper salvage is collected weekly by a "W" type S.D. fore and aft tipper.

The vehicles used in the department are as under:-

S.D.1. "W" type fore and aft tipper.	Licensed April, 1957.
S.D.2. "W" type fore and aft tipper.	Licensed March, 1958.
S.D.3. "TW" type diesel fore and aft tipper.	Licensed March, 1961.
S.D.4. "TW" type diesel fore and aft tipper.	Licensed Sept. 1962.

As the department has no spare vehicle available, it is necessary to hire one when breakdowns, etc. occur. The hired vehicle is used for paper collection whilst our own vehicle collecting paper, is transferred to refuse collection. This transfer does cause some delay and it makes it difficult to maintain a weekly collection. It was found very difficult during the year to recruit suitable labour for this type of work and it was a problem at times to maintain full gangs.

Consideration should be given to the system of using bulk containers at many shop and hotel premises. The provision of a bulk-loading refuse vehicle to deal with these containers, would assist the work of the department and help us to maintain a weekly collection throughout the district. Whether or not a bulk-loading vehicle is provided, more transport is required for this most important work.

Costings - Refuse Collection (Year Ending 31.3.1966).

	£	£
Total gross cost involved - collection of house, shop & trade refuse.....		21,474
Net cost of salvage: Sales.....	1,396	
Cost.....	<u>1,430</u>	34
		21,508
Income - Trade Refuse, etc.....		<u>263</u>
		<u>21,245</u>
Expenditure per 1,000 houses per annum.....		£2,284
Expenditure per 1,000 population per annum.....		£938.

DISPOSAL OF REFUSE.

Until October, 1965, all the refuse collected was disposed of by controlled tipping methods on land owned by the Council at the River Wyre foreshore. This site has now been completed and the whole of the land reclaimed. It could be made suitable for recreational purposes as the Council wish to decide. In addition to providing tipping facilities for refuse, this land can be a valuable asset in the future.

Since October, 1965, the refuse has been disposed of on land at Bourne Hall, which was purchased for this purpose. The amount of land available is very limited and alternative arrangements will soon have to be made. Discussions were taking place with an adjacent Authority at the end of the year. A Fiat tractor was engaged on this work throughout the year and has enabled the work to be carried out more efficiently and expeditiously.

It will be noticed that the following costs are an increase on the previous year.

Costings - Refuse Disposal (Year Ending 31.3.66).

Number of loads...	2,702
Estimated weight(tons) ...	9,457
Total cost (Net)...	(approx) £3,158
Cost per ton...	6/8d.
Cost per 1,000 houses per annum...	£340.
Cost per 1,000 population per annum...	£139.

Costings - Refuse Collection & Disposal (Year Ending 31.3.66).

Total Cost ...	£24,403
Cost per 1,000 houses per annum...	£2,623
Cost per 1,000 population per annum...	£1,077

COLLECTION AND DISPOSAL OF SALVAGE.

The Council continued with the collection of wastepaper and other salvage during the year. The price for baled wastepaper rose to £8.12.6d. per ton by the end of the year. Loose wastepaper was also sold to a local firm at £6. 0. 0. per ton. Since fire destroyed the Council's baling shed in September, 1964, a garage in the Council's depot has been used for baling wastepaper. This is not at all satisfactory and if we are to continue with the collection of paper, consideration will have to be given to alternative arrangements.

Thanks are due to all the workmen engaged in refuse and salvage collection and disposal, for the co-operation they have given during the year.

SALVAGE DISPOSED OF DURING THE YEAR ENDING 31st DECEMBER, 1965.

	tons.	cwts.	lbs.	£.	s.	d.
Wastepaper(Baled)...	106.	8.	0.	848.	14.	3.
Wastepaper(loose)...	119.	12.	70.	709.	4.	1.
Mixed Rags..		14.	97.	14.	2.	5.
Aluminium...			89.	3.	6.	9.
Copper..			4.		6.	0.
Brass...			27.	1.	7.	0.
Lead ...			7.		5.	3.
	226.	16.	70.	1,577.	5.	9.

REFUSE COLLECTION STATISTICS.1965.

Estimated tonnage collected...	9,100
Total mileage run by vehicles...	26,188
Number of visits to premises...	479,293
Number of ash bins emptied ...	532,574

EMPLOYEES.

Foreman...	1
Motor Drivers...	4
Refuse and Salvage Collectors...	15
Paper Balers...	1
Tip Attendants ...	1

TOTAL: 22

The above figures show the minimum labour requirements of the department at present, but it is necessary from time to time, to increase this labour force due to the growth of the number of houses in the district and the fact that during the holiday period, additional collections have to be given. We have now reached the stage when the labour force and number of vehicles will have to be increased so as to meet the increasing demand made on the service.

The cost of the collection of refuse is kept under constant review or it could become a very expensive item.

MONTHLY ANALYSIS OF REFUSE COLLECTION AND DISPOSAL.

<u>MONTH.</u>	<u>LOADS.</u>	<u>MILEAGE.</u>	<u>VISITS TO PREMISES.</u>	<u>ASHBINS EMPTIED.</u>
January.	208	2,159	39,748	44,079
February.	190	1,994	35,708	39,238
March.	228	2,626	46,147	50,321
April.	234	2,317	39,826	44,497
May.	200	2,079	36,635	40,972
June.	232	2,439	42,752	47,494
July.	226	2,069	40,081	45,274
August.	202	2,099	36,474	41,095
September.	246	2,664	45,649	51,098
Octoter.	210	1,783	37,217	41,066
November.	204	1,878	37,290	40,643
December.	220	2,081	41,766	46,797
	<u>2,600</u>	<u>26,188</u>	<u>479,293</u>	<u>532,574</u>

It is established that the "W" type and "TW" type vehicles have an average load capacity of 3 tons 10 cwts.

The mileage operated by the vehicles and the number of visits to premises, are still increasing due to the new development in the district. For the first time, over half a million ash bins were emptied during the year.

PUBLIC CONVENIENCES.

From the 1st April, 1964, the department was responsible for the cleansing and maintenance of all Public Conveniences. The following is a list of such Conveniences as at 31st December, 1965. They are cleansed by one man full-time; one lady supervisor full-time and one full-time lady cleaner.

SITUATION.	ACCOMMODATION FOR FEMALES.	ACCOMMODATION FOR MALES.
Arena, Cleveleys.	6 WCs., 2 wash-hand basins with hot & cold water.	3 WCs. & urinal; 2 wash-hand basins with hot & cold water.
* Bathing Station, Cleveleys.	9 WCs., 2 wash-hand basins with hot & cold water.	4 WCs. & urinal; 2 wash-hand basins. Cold water only.
Jubilee Gardens, Cleveleys.	10 WCs. (6 unused). 2 wash-hand basins. Hot water at one only; cold at other.	5 WCs. (3 unused) & urinal. 2 wash-hand basins. Hot water at one only; cold at other.
* Jubilee Gardens, Bowling Green, Cleveleys.	2 WCs.	1 WC. and urinal.
Bus Station, Cleveleys.	3 WCs. (one unused). 2 wash-hand basins with hot & cold water.	2 WCs. & urinal. 2 wash-hand basins with hot & cold water.
Victoria Square, Cleveleys.	8 WCs. 2 wash-hand basins. Cold water supply only.	1 W.C. and urinal.
* Asndell Bowling Green, Thornton.	3 WCs. 1 wash-hand basin. Cold water supply only.	2 WCs. & urinal. 1 wash-hand basin. Cold water supply only.
Four Lane Ends, Thornton.	3 WCs. 1 wash-hand basin with hot & cold water.	2 WCs. and urinal. 1 wash-hand basin with hot & cold water.
Gamble Road, Thornton.	1 W.C.	1 W.C. and urinal.

* Not in use during winter months.

Wash-hand basins were provided to more Conveniences during the year. In common with other authorities, we suffered damage and vandalism which causes extra work and increases the cost of maintaining same.

SANITARY INSPECTIONS.

The following table shows the number of inspections carried out during the year:-

Number of premises visited...	5,240
Number of defects or nuisances discovered ...	1,390
Number of defects or nuisances abated ...	1,200
Number of Informal Notices served ...	19
Number of Statutory Notices served...	6
Number of complaints received and investigated...	307

WORK CARRIED OUT.

Sanitary Accommodation & Drainage:

Drains cleansed from obstruction...	372
Drains relaid..	4
Provision of new trap, rest bends, waste pipes, manhole cover..	5
Drains repaired ...	4
Defective W.C. cistern repaired ...	1
Inspection chamber built...	1
W.Cs. repaired, cleansed and lighting repaired. ...	5

Housing:

Roofs repaired. ...	3
Floors repaired ...	5
Walls and ceilings repointed and repaired..	6
Defective eavesgutters and downspouts replaced. ...	2
Eradication of dampness ...	9
Windows repaired or replaced...	4
Chimney flashings repaired. ...	3
Door frames repaired...	2
Stairs repaired ...	1

Miscellaneous:

Soil pipe repaired. ...	1
Untidy land and offensive accumulations removed ...	9
Smoke, smell and noise nuisances dealt with ...	2
Ponds filled in ...	1
Construction of midden. ...	1
Nuisance from animals kept abated..	3
Water pumped from under floors. ...	6
Improvement Grants - Items completed...	25
Factories Acts - Items completed...	13
Food Hygiene Regulations - Items completed. ...	32

SUMMARY OF VISITS MADE.

Visits to defective drains, extensions to sewers...	300
Visits to drains cleansed from obstruction.	372
Visits to dykes, watercourses and ponds in area	25
Visits to flooded land, gardens and water under floors.	112
Visits re inspection of Public Conveniences	448
Visits in connection with Food Hygiene Regulations.	442
Visits re unsound foodstuffs... ..	39
Visits made in connection with Brucellosis.	12
Visits to premises where milk is sold..	27
Visits to premises where ice cream is sold.	6
<u>Samples taken:</u>	
Ice Cream..	26
Milk... ..	126
Milk - Brucellosis.	98
Liquid Egg(2); Cockles(2); Ice Lollies(9); Water(2)	15
Visits re water supply.	7
Visits re Rodent Control - Eradication.	355
Visits re Rodent Control - Search and Survey... ..	180
Visits re other vermin and pigeons.	121
Enquiries re Council house/flat tenancies..	328
Inspection of Council houses... ..	7
Visits re Improvement Grants and Surveys... ..	550
Visits re Burn Naze Improvement Grant Schemes..	160
Visits to Clearance Areas and Sub-Standard houses..	73
Housing Inspections - Housing Act. (Defects,etc.)..	81
Housing Inspections - Public Health Act	27
Visits to houses in Multiple Occupation	53
Visits re Housing Act survey... ..	273
Visits re smoke, smell and noise observations..	85
Visits re Smoke Pollution apparatus(daily inspections).	573
Visits to cases of Infectious Disease..	518
Visits to factories	114
Visits re refuse and salvage collection and disposal... ..	1,291
Visits re untidy land, yards, etc..	23
Visits made in connection with defective dustbins..	263
Visits re pig keeping and to piggeries.	7
Visits to caravans and sites... ..	29
Visits to work ordered or in progress..	197
Owners or agents interviewed... ..	66
Visits re Game Dealers' licences... ..	2
Visits re Diseases of Animals(Waste Food)Order.	14
Visits re Pet Animals Act..	2
Visits re Offices, Shops & Railway Premises Act	374
Visits re Slaughter of Animals Act.	1
Visits re Clean Air Act	1
Visits re Noise Abatement Act..	2
Visits re Scrap Metal Act..	3
Miscellaneous Inspections..	159

7,987

DETAILS OF STATUTORY NOTICES SERVED.HOUSING ACT, 1957. PUBLIC HEALTH ACT, 1936.

<u>Act and Section:</u>	<u>Reason for Notices:</u>	<u>No. of Notices served:</u>	<u>No. complied with at end of year:</u>
Housing Act, 1957. Section 9.	Housing defects.	4	2
Public Health Act, 1936. Section 45.	Defective W.C.	2	1

SWIMMING BATHS AND POOLS.

There are no public swimming baths in the area.

RAG, FLOCK & OTHER FILLING MATERIALS ACT, 1951.

No premises in the area are licensed for the manufacture of rag, flock or other filling materials. There are two premises on the register where filling materials are used, the provisions of the Act being complied with.

PET ANIMALS ACT, 1951.

Two pet shops were on the register at the end of the year. Inspections have been carried out and the premises appear to be conducted in a proper manner, the provisions of the Act being complied with.

DISEASES OF ANIMALS (WASTE FOODS) ORDER, 1957.

Upon the application of the Council, the County Council delegated to us their functions under the above Order, as and from 1st July, 1959.

Number of plants licensed at time of delegation...	3
Number of plants licensed since delegation ...	10
Number of licences cancelled or revoked...	6
Number of prosecutions ...	0
Number of inspections to licensed plants..	14

PUBLIC HEALTH AMENDMENT ACT, 1907.SECTION 86.DEALERS IN OLD METAL AND MARINE STORE DEALERS.

The provisions of the above Act are in operation and three Certificates are in existence in respect of premises in the area.

DISINFECTION.

Disinfection is carried out by means of a formalin spray or by formalin fumigators. It is carried out in request in houses where deaths have occurred from cancer, infectious disease cases removed to hospital, and all cases where deaths have occurred from pulmonary tuberculosis.

SCHOOLS.

The general condition of the schools in the area can be considered satisfactory, all being supplied with Fylde water and in each case modern water closets are provided. The nine schools in the area are under the control of the Lancashire Education Committee.

DESTRUCTION OF DOMESTIC PETS.

Destruction of domestic pets is carried out by chloroform and for a charge of 1/- a person can have a dog or cat painlessly destroyed. The department undertakes the proper disposal of the carcasses.

Number of dogs destroyed in 1965.....	60
Number of cats destroyed in 1965.....	34
	<hr/> 94
Income from destruction of animals.....	£3. 8. 0.
Income from sale of carcasses.....	£5. 0. 0.
	<hr/> £8. 8. 0.

SHELL FISH.

There are no shell fish beds in our area. During the year two samples of cockles were taken from an Oyster Stall on the Promenade and submitted to the Public Health Laboratory, Preston, for bacteriological examination. They were both satisfactory.

MORTUARY.

A modern mortuary, possessing equipment in accordance with present day practice, has been in use throughout the year. It was used on 116 occasions and 109 post-mortems were conducted by the Police Surgeon.

By arrangement, an adjacent Borough Council, two Urban District Councils and a Rural District Council, have the joint use of our mortuary at agreed charges and this system is working satisfactorily.

PARTICULARS OF USE OF MORTUARY.

Thornton Cleveleys...	34
Fleetwood Borough Council ...	42
Poulton-le-Fylde Urban District Council..	19
Preesall Urban District Council..	5
Garstang Rural District Council..	6
Other Authorities.(via the Coroner)...	10

VERMINOUS PREMISES.

Several complaints received during the year were thoroughly investigated, advice and help being given. Minor and new infestations are dealt with by the department in co-operation with the tenants or owners concerned. The eradication of vermin is carried out by proprietary liquid insecticide and D.D.T. powder.

Eradications carried out.

Ants...	36
Cockroaches ...	1
Wasps' Nests...	9
Ermine Moth ...	1

MOVEABLE DWELLINGS AND CAMPING SITES.

The control of moveable dwellings and camping sites in this area is under the Caravan Sites and Control of Development Act, 1960. The owners of the three sites in the district have been requested to comply with the new requirements of the Act and reasonable time has been given for this to be done.

The number of caravans allowed at each site is as under:-

No.1. Site (holiday only)...	180
No.2. Site (residential) ...	30
No.3. Site (residential) ...	24

All the work required at Nos. 1 and 2 sites has been completed in a satisfactory manner and the work at No.3 site is nearing completion. (Minor requirements only). In each case the Model Standards were used as a guide for our requirements.

During the year each site has been conducted in a satisfactory manner and there was no cause for serious complaint.

ATMOSPHERIC POLLUTION.

During the year recordings of the volumetric concentration of smoke and sulphur dioxide in the atmosphere were obtained at the following sites in the district, in accordance with the recommendations of the Department of Scientific and Industrial Research.

The sites were at the Pumping Station, Cleveleys Avenue, Cleveleys, and the Lecture Hall, Thornton, for part of the year, new sites at the Gas Showrooms, Victoria Square, Cleveleys, and an electrical sub-station in Butts Road, Thornton, being used for the remainder of the year.

1. Lecture Hall, Thornton. (Thornton Cleveleys 1.)

The site is surrounded by open park to the S.W. & N.W. with residential development, mainly houses, in the other directions.

2. Pumping Station, Ringway, Cleveleys. (Cleveleys 1.)

There is a light industrial site to the S.W. whilst the remaining area consists of residential development of bungalows.

3. North Western Gas Showrooms, Victoria Square, Cleveleys. (Cleveleys 2.)

This site is situated in a commercial area of shops, hotels and boarding-houses plus many small scattered light industries.

4. North Western Electricity Board Sub-Station, Butts Rd., Thornton. (Thornton Cleveleys 2.)

The area is dominated by a large chemical works to the North and East, whilst to the South is light industry and open fields to the West.

CONCENTRATION OF SMOKE & SO₂ IN ATMOSPHERE - LECTURE HALL, THORNTON, 1965. TO MID-JUNE.

MONTH.	AVERAGE SO ₂ - MICROGRAMMES/CUB. METRE.	AVERAGE SMOKE - MICROGRAMMES/CUB. METRE.	HIGHEST DAILY. SO ₂	HIGHEST DAILY. SMOKE.
JAN.	98.7	170.4	282	504
FEB.	121.4	199.4	339	704
MARCH.	146.5	175.3	321	404
APRIL.	76.92	83.68	270	288
MAY.	46.71	45.51	117	98
JUNE. (PART)	48.71	45.57	68	66
CONCENTRATION OF SMOKE & SO ₂ IN ATMOSPHERE - N.W.E.B. SUB-STATION, BUTTS ROAD, THORNTON. FROM MID-JUNE.				
JUNE. (PART).	25.69	23.87	48	45
JULY.	30.37	23.4	54	38
AUG.	36.32	26.21	92	61
SEPT.	38.8	64.1	79	157
OCT.	71.55	118.16	174	328
NOV.	56.2	111.85	190	576
DEC.	61.58	115.53	118	284

CONCENTRATION OF SMOKE & SO₂ IN ATMOSPHERE - PUMPING STATION, CLEVELEYS. TO APRIL, 1965.

MONTH.	AVERAGE SO ₂ - MICROGRAMMES/CUB. METRE.	AVERAGE SMOKE. MICROGRAMMES/CUB. METRE.	HIGHEST DAILY.	HIGHEST DAILY.
JAN.	89.4	179.9	301	544
FEB.	96.6	166.7	367	652
MARCH.	138.03	186.3	362	444
APRIL.	65.04	96.48	286	308
CONCENTRATION OF SMOKE & SO ₂ IN ATMOSPHERE - GAS SHOWROOMS, CLEVELEYS. FROM MAY, 1965.				
MAY.	45.06	53.05	129	124
JUNE.	23.04	22.26	56	72
JULY.	35.46	23.84	58	67
AUG.	41.91	24.86	86	73
SEPT.	46.66	64.83	128	183
OCT.	114.55	220.32	260	944
NOV.	95.47	157.33	251	560
DEC.	75.15	109.69	165	512

OFFICES, SHOPS AND RAILWAY PREMISES ACT, 1963.TABLE "A"

REGISTRATIONS AND GENERAL INSPECTIONS.			
CLASS OF PREMISES.	NO. OF PREMISES REGISTERED DURING 1965.	TOTAL NUMBER OF REGISTERED PREMISES AT END OF YEAR.	NUMBER OF REGISTERED PREMISES RECEIVING A GENERAL INSPECTION DURING YEAR.
OFFICES.	13	56	45
RETAIL SHOPS.	23	162	159
WHOLESALE SHOPS AND WAREHOUSES.	2	2	2
CATERING ESTABLISHMENTS OPEN TO PUBLIC & CANTEENS	5	23	16
FUEL STORAGE DEPOTS.	0	0	0

TABLE "B"

Number of visits of all kinds by Inspectors to registered premises.	315
---	-----

TABLE "C"

CLASS OF WORKPLACE.	NUMBER OF PERSONS EMPLOYED.
OFFICES.	278
RETAIL SHOPS.	568
WHOLESALE SHOPS & WAREHOUSES.	9
CATERING ESTABLISHMENTS OPEN TO THE PUBLIC.	280
CANTEENS.	1
FUEL STORAGE DEPOTS.	-
TOTAL:	1,136. (Males: 400) (Females: 736)

R O D E N T C O N T R O L.

No test-baiting of the foul sewers was carried out during 1965. The charges for treatment are as follows:-

Private dwelling-houses...	10/-
Boarding houses, hotels, business premises ...	Time @ 9/-d. an hr. + cost of baits used.

Statistics for Year. (1st Jan. to 31st Dec. 1965).

Number of complaints received...	90
Number of infestations...	72
Number of visits for purposes of eradication ...	535
Number of visits for purposes of "search & survey"...	180
Number of premises successfully treated by L.A. ...	72

PREVENTION OF DAMAGE BY PESTS ACT, 1949.

It was not found necessary to serve any Notices under the provisions of the above Act. A few intimation notices were served and these were sufficient to secure the co-operation of the people concerned. We experienced no difficulty in regard to the operation of the Act.

Statistics for 12 months ended 31.12.65.

	TYPE OF PROPERTY.		
	Non-Agricultural:		Agricul- tural.
	Dwelling- houses.	All Other.	
(a) No.of properties in district.	9,302	712	60
(b) No.of properties inspected...	37	225	-
(c) Total inspections carried out (including re-inspections)...	220	365	-
(d) No.of properties inspected which were found to be infested by:			
Rats - major ...	1	5	-
Rats - minor ...	15	21	-
Mice - major ...	-	3	-
Mice - minor ...	9	18	-
(e) No.of infested properties treated...	25	47	-
(f) Total treatments carried out (including re-treatments) ...	-	-	-

FACTORIES ACT, 1937.

Records are kept of all premises coming within the scope of the Factories Act and regular inspections are made. Particulars of inspections, defects, contraventions found and remedied, are enumerated in the following tables. There are no underground bakehouses in the district.

1. Inspection of Factories & Other Premises.

	No. on Register.	Inspections	Written Notices.
Factories (without mechanical power)....	6	7	-
Factories (with mechanical power)....	66	71	3
	72	78	3

2. Defects found in Factories & Other Premises.

	No. of Cases in which defects were found:	
	Found:	Remedied:
<u>Sanitary Conveniences:</u>		
(a) Unsuitable or defective.	11	6

H O U S I N G.1. Number of new houses erected during 1965:

	Houses.	Flats.
(1) By the local authority...	34	38
(2) By other bodies or persons...	452	12
(3) Total number of houses in area...	9,302	
<u>New Houses erected in 1965. (Ward Distribution):</u>		
North Ward...	183	
North Central Ward...	104	
South Ward...	17	
South Central Ward...	32	
East Ward ...	185	
West Ward ...	15	
	<u>536</u>	

2. Total No. of Council-owned dwellings existing at year end: 576

3. Inspection of dwelling-houses during year:

- (i) (a) Total No. of dwelling-houses inspected formally or informally for housing defects (under Public Health or Housing Acts)... 80
- (b) No. of Inspections - formal or informal - made for the purpose ... 143
- (c) No. of dwelling-houses in (a) above found to be not in all respects reasonably fit for human habitation but capable of being rendered fit... 72
- (ii) Total No. of dwelling-houses existing at end of year which were unfit for human habitation & not capable at reasonable expense of being rendered fit & in respect of which:
- (a) Demolition Orders have been made (at any time):... 8
- (b) Demolition or Closing Orders have not yet been made.. 2

4. Houses Demolished.In Clearance Areas:

- 1) Houses unfit for human habitation...
- 2) Houses included by reason of bad arrangement, etc ...
- 3) Houses on land acquired under Sec. 43(2), Housing Act. 1957. ...

Not in Clearance Areas:

- 4) As a result of formal or informal procedure under Sec. 17(1), Housing Act, 1957 ...
- 5) Local Authority-owned houses certified unfit by M.O.H ...
- 6) Houses unfit for human habitation where action has been taken under local Acts.. ...
- 7) Unfit houses included in Unfitness Orders.. ...

Houses Demolished.	Displaced during year.	
	Persons.	Families.
-	-	-
-	-	-
-	-	-
7	3	3
-	-	-
-	-	-
-	-	-

5. Unfit Houses Closed:-

	Number.	Displaced during year.	
		Persons.	Families.
(1) Under Secs.16(4),17(1) & 35 (1), Housing Act,1957.	-	-	-
(2) Under Secs.17(3) and 26, Housing Act,1957.	-	-	-
(3) Parts of buildings closed under Sec.18,Housing Act,1957.	-	-	-

6. Unfit Houses made Fit and Houses in which defects were remedied:-

	By owner.	By L.A.
(1) After informal action by L.A.	9	-
(2) After formal notice under:		
(a) Public Health Acts.....	1	-
(b) Housing Act,1957.Secs. 9 and 16.....	2	-
(3) Under Sec.24,Housing Act,1957	-	-

7. Unfit Houses in Temporary Use - Housing Act,1957:-

<u>Position at end of year:</u>	No. of Houses.	No.of separate dwellings contained in Col.(1)
(1) Retained for temporary accommodation -		
(a) Under Sec.48.....	-	-
(b) Under Sec.17(2).....	-	-
(c) Under Sec.46.....	-	-
(2) Licensed for temporary occupation under Secs. 34 or 53.....	-	-

8. Purchase of Houses by Agreement:-

	No.of Houses.	No.of occupants of houses in Col.(1) (2)
Houses in Clearance Areas other than those included in confirmed Clearance Orders or Compulsory Purchase Orders/purchased during the year.....	-	-

IMPROVEMENT GRANTS.HOUSING ACT, 1964. CIRCULAR 53/64.

During the year a survey of all known premises which do not possess the standard amenities, was carried out and in this connection it was found that approximately 260 houses were involved.

Following upon this survey, a letter was sent to all owners seeking their co-operation in the provision of all amenities to the premises in which they are interested. The Sub-Committee of the Health Committee interviewed owners who control several premises and their co-operation was forthcoming. It is anticipated that during the current year much work on the improvement of dwellings, with the assistance of grant, will be carried out.

Discretionary Grants:-

Action during year:	No. of Dwelling Houses or other buildings affected in schemes of:	
	Private bodies or individuals:	Local Authority:
(a) Submitted by private individuals to L.A.....	2	--
(b) Approved by L.A.....	1	--
(c) Submitted by L.A. to Ministry.....	1	--
(d) Finally approved by Ministry.....	1	--
(e) Work completed.....	--	--
(f) Additional separate dwellings included in (e) above.....	--	--

Standard Grants:-

Action during year:	No. of dwellings or other buildings affected
(a) Applications submitted to L.A.	24
(b) Applications approved by L.A.	23
(c) Work completed.	42

RENT ACT, 1957.APPLICATIONS FOR CERTIFICATES OF DISREPAIR. (1st JAN. 1965-31st Dec. 1965)

1. Number of applications for Certificates of Disrepair..... --
2. Number of decisions to issue Certificates of Disrepair..... --
3. Number of Certificates of Disrepair issued..... --

HOUSING ACT, 1957 - SECTION 16.

1.	Individual houses reported upon to the Council...	1
2.	Demolition Orders made...	1
3.	Undertakings accepted - "house ceased to be used for habitation..."	-
4.	Undertakings accepted - "render house fit for habitation"...	-
5.	Works completed during year in respect of undertakings...	-
6.	Undertakings outstanding at end of year...	-
7.	Houses demolished during year...	6
8.	Houses demolished voluntarily during year...	1
9.	Number of families re-housed in Council houses...	1

HOUSING ACT, 1957 - SECTION 42.

1.	Clearance areas reported to Council...	-
2.	Number of houses in Clearance Areas...	-
3.	Number of Orders confirmed...	-
4.	Number of houses in Clearance Areas demolished...	-
5.	Number of families re-housed in Council houses...	-
6.	Number of Enquiries held during year...	-
7.	Number of houses involved in Enquiries...	-

HOUSING ACT. HOUSES IN MULTIPLE OCCUPATION.

A survey of houses in multi-occupation was completed during the year and as a result of the information obtained, the Council, in December, laid down reasonable standards with respect to this type of dwelling. It is hoped that by co-operation with the owners concerned, much work will be carried out during the current year.

M I L K S U P P L Y.

There are now no dairies in this district registered under the Milk and Dairies Regulations.

The bulk of the milk consumed in this area is supplied by large dairies from outside the district and regular sampling of all designations of milk is carried out.

Distributors registered by Local Authority.

Distributors with premises in district (including shops)... .. 65
Distributors with premises outside district 11

M I L K S A M P L E S.

Type.	No. of Samples.	Satis- factory.	Unsatis- factory.	Void Samples.
Raw Milk - (T.T.)				
(i) Methylene Blue Test.	31	21	8	2
Heat Treated Milk.				
(i) Methylene Blue Test.	58	56	-	2
(ii) Phosphatase Test....		58	-	-
(iii) Turbidity Test.....		35	-	2

Samples for Biological Examination:

Total number of samples submitted..... 98

	Results:			
	Positive.	Negative.	No Result.	Equivocal.
(a) Tuberculosis.....	-	13	-	-
(b) Brucellosis-Ring Test	22	71	1	4
(c) " Culture				
Test.....	2	4	-	-
(d) " Biological				
Test.....	7	6	-	-

Brucella Abortus:

During the year two Orders made under the Milk and Dairies (General) Regulations, in respect of affected cows at two farms in the area, were still in operation.

All the milk from one of the farms is being sent for pasteurisation and none of it is being farm-bottled. At the other farm the milk from the affected cows only is being sent for pasteurisation.

FOOD AND DRUGS ACT, 1955.NUMBER OF FOOD PREMISES BY TYPE OF BUSINESS IN DISTRICT AT END OF YEAR.

TYPE OF BUSINESS.	NUMBER.
General grocers and provision dealers... ..	62
Greengrocers and fruiterers(including those selling wet fish, game, etc... ..	19
Fishmongers(including those selling poultry, game, etc)..	3
Meat shops(butchers, purveyors of cooked and preserved meats, tripe,etc.)... ..	24
Bakers and/or confectioners.	19
Fried fish shops	12
Shops selling mainly sugar confectionery, minerals, ice cream, etc... ..	36
Licensed premises, clubs, canteens, cafes, restaurants, snack bars and similar catering establishments... ..	45

NUMBER OF FOOD PREMISES, BY TYPE, REGISTERED UNDER SECTION 16 OF
FOOD & DRUGS ACT, 1955; LANCASHIRE COUNTY COUNCIL ACTS OR OTHER
LOCAL ACTS.

TYPE OF BUSINESS.	NO. REGISTERED AT 31.12.65.	NO. OF INSPECTIONS.
Manufacturers of preserved food.....	34	Inspections
Premises registered for manufacture of Ice Cream.....	3	carried out
Premises registered for sale of Ice Cream.....	105	when visiting
Premises in area registered for Food Hawkers.....	14	under Food Hygiene Regulations.

LIQUID EGG(PASTEURISATION)REGULATIONS, 1963.

No.of egg pasteurisation plants in district at end of year..... None.
 No.of samples of liquid egg submitted for Alpha-Amylase test... 2
 No. of samples satisfactory..... 2
 "Both satisfactorily pasteurised. Salmonella organisms
 not isolated".

FOOD AND DRUGS ACT, 1955.

The following information has been supplied by the County Medical Officer of Health, with reference to the number of samples taken in this area by the County Public Health Inspector.

A total of 96 samples were obtained comprising 58 milks, (5 of which were Channel Islands milks) and 38 others as follows:-

2 pork sausage.	1 concentrated soft drink.
1 cucumber, canned.	1 custard powder.
1 prawns, canned.	1 flour confectionery.
1 sardines, canned.	1 cut mixed peel.
2 penicillin lozenges.	1 tapioca flakes.
1 sweet with glucose.	2 flavouring essence.
1 onion salt.	1 frankfurters.
1 sweets.	1 marmalade.
1 dessert powder.	2 cheese spread.
1 blancmange powder.	1 vegetables, fresh.
1 coffee and chicory mixture, canned.	3 fruit, dried.
1 cream sterilised.	1 lard.
1 dairy produce, canned.	2 vegetables, canned.
1 plain flour.	1 cheese.
1 tomato juice, canned.	1 soup, canned.
	1 cooking fat.

With the exception of the following sample, all the above were reported by the County Analyst to be chemically genuine:-

<u>Sample.</u>	<u>Result of Analysis.</u>	<u>Action taken.</u>
1 pork sausage.	Contained sulphite preservative without declaration.	Supplier communicated with.

UN SOUND FOODSTUFFS.

It was found necessary, after examination and tests, to accept the voluntary surrender of the following foodstuffs.

	cwts.	lbs.	ozs.
1 - tin Corned Beef		6.	0.
6 - tins Ham		57.	8.
7 - tins Chopped Pork		28.	0.
1 - tin Pork Shoulder		7.	0.
3 - tins Pork Loin		10.	8.
4 - tins Tongue		20.	0.
5 - trays of Peaches		-	-
18- Boxes of Grapes	1.	68.	0.

A large quantity of foodstuffs was also condemned due to breakdown in refrigerators.

Condemned foodstuffs are disposed of by burying on the Council's refuse tip.

I C E C R E A M.

During the year there were 3 manufacturers of ice cream and 105 dealers on the register. Regular inspections were carried out at these premises. Two premises are registered for manufacture of soft ice cream from cold mix and one manufacturer did not make any ice cream during the year.

ANALYSIS OF SAMPLES OF ICE CREAM.

Ref.No.	Methylene Blue Test. Provisional Grade:				Satisfactory or Not.
	1	2	3	4	
1	1	—	—	—	Yes
2	1	—	—	—	Yes
3	1	—	—	—	Yes
4	—	—	1	—	No
5	1	—	—	—	Yes
6	1	—	—	—	Yes
7	1	—	—	—	Yes
8	1	—	—	—	Yes
9	—	1	—	—	Yes
10	1	—	—	—	Yes
11	1	—	—	—	Yes
12	1	—	—	—	Yes
13	1	—	—	—	Yes
14	1	—	—	—	Yes
15	1	—	—	—	Yes
16	1	—	—	—	Yes
17	1	—	—	—	Yes
18	—	—	1	—	No
19	—	1	—	—	Yes
20	1	—	—	—	Yes
21	1	—	—	—	Yes
22	1	—	—	—	Yes
23	1	—	—	—	Yes
24	1	—	—	—	Yes
25	1	—	—	—	Yes
26	1	—	—	—	Yes

Ice Cream Samples taken... .. 26
 Number Satisfactory... .. 24
 Number Not Satisfactory... .. 2

ICE CREAM(HEAT TREATMENT ETC.)REGULATIONS,1959.

Under the above Regulations, 9 samples of Ice Lollies were obtained and submitted to the Public Health Laboratory, Preston, for pH Values. As a result of these investigations, it was found that the pH Values were less than 4 and consequently were exempted from the Heat Treatment provisions of the above Regulations.

<u>Reference No.</u>	<u>pH Values.</u>
1/IL/65... ..	Less than 4.
2/IL/65... ..	00 00 4
3/IL/65... ..	00 00 4
4/IL/65... ..	00 00 4
5/IL/65... ..	00 00 4
6/IL/65... ..	00 00 4
7/IL/65... ..	00 00 4
8/IL/65... ..	00 00 4
9/IL/65... ..	00 00 4

FOOD HYGIENE(GENERAL)REGULATIONS, 1960.

INSPECTION AND SUPERVISION OF FOOD.

Routine inspections have been carried out to all premises coming within the scope of the Food Hygiene Regulations and are as under:-

a) Food Vans... ..	0
b) Stalls.. ..	0
c) Butchers' Shops.	20
d) Grocers' Shops..	59
e) Greengrocers/Fish Shops.	13
f) Hotels, Cafe Kitchens and Canteens..	39
g) Fish Friers.	15
h) Bakehouses..	24
i) Clubs, Public Houses, etc... ..	8
j) Food Warehouses.	-
k) Boarding Houses.	147
l) Food Factories..	6
	<u>331</u>
Number of re-visits where work was required	111
TOTAL.	<u><u>442</u></u>

METEOROLOGICAL OBSERVATIONS.

The rainfall is taken daily at 9.0 am. at the Council's Depot,
and reports are placed monthly before the Council.

YEAR	JAN.	FEB.	MARCH	APR.	MAY.	JUNE.	JULY.	AUG.	SEPT.	OCT.	NOV.	DEC.	TOTAL.
1940	2.60	1.65	3.25	1.16	1.71	0.40	2.77	1.15	2.37	3.62	4.51	3.30	28.99
1941	1.18	3.49	2.29	0.72	3.10	0.57	0.94	2.42	0.90	4.10	1.95	1.03	22.69
1942	3.04	1.47	2.22	1.53	2.93	0.77	3.02	3.85	2.32	3.31	0.81	3.36	28.63
1943	5.83	1.74	0.55	1.92	3.29	2.10	4.63	4.74	4.18	4.50	2.73	1.56	38.37
1944	3.59	1.00	0.49	3.20	2.38	1.79	2.76	3.19	4.27	4.43	6.27	3.73	37.10
1945	2.29	4.54	1.57	1.70	3.40	2.80	2.59	0.71	3.48	5.21	0.15	2.93	31.37
1946	4.99	3.71	0.93	1.06	1.91	2.42	3.73	4.15	5.06	0.57	6.09	4.26	38.88
1947	2.95	0.55	4.81	3.21	4.57	2.43	3.16	0.66	3.45	0.50	3.73	2.08	32.10
1948	6.19	1.58	1.62	1.21	1.35	5.03	1.79	3.09	4.68	3.20	2.73	2.39	34.84
1949	1.85	1.36	1.74	2.77	3.04	0.30	3.21	2.55	0.79	4.74	3.35	5.25	30.95
1950	1.56	4.05	1.67	2.02	0.75	1.47	2.78	6.60	6.33	3.27	4.39	2.60	37.49
1951	4.03	3.19	4.67	1.10	3.34	1.04	1.52	3.37	3.74	1.53	9.04	7.61	44.18
1952	2.94	0.79	2.26	2.87	2.71	2.41	1.42	3.51	3.56	3.73	1.71	3.24	31.15
1953	1.52	0.85	0.54	2.66	2.07	1.62	4.60	3.86	5.18	1.78	4.57	1.85	31.10
1954	2.44	3.47	2.07	1.08	2.88	4.17	4.65	4.96	7.16	10.07	7.77	4.62	55.34
1955	2.77	2.42	1.64	2.05	2.58	4.51	2.29	1.22	3.14	3.04	2.29	4.40	32.35
1956	4.64	0.42	1.36	2.25	1.91	2.35	4.44	12.96	4.08	3.39	2.10	4.79	44.69
1957	4.36	3.39	2.56	0.41	3.74	2.20	4.16	5.73	6.07	6.53	1.69	5.25	46.09
1958	4.52	6.28	1.52	1.52	4.00	4.09	3.19	3.39	3.65	4.15	1.92	3.39	41.62
1959	3.46	0.49	2.56	3.13	1.57	3.91	4.17	0.42	0.39	3.95	4.33	7.51	35.89
1960	5.51	3.00	1.42	2.24	2.81	1.47	5.03	3.06	3.55	2.73	8.48	3.81	43.11
1961	5.52	3.21	0.91	4.81	1.97	2.10	3.98	5.01	3.28	4.95	4.14	3.14	43.02
1962	4.56	1.91	1.73	3.02	2.55	1.40	1.77	5.13	3.59	2.11	2.20	3.19	33.16
1963	0.76	0.47	3.05	2.92	1.93	3.44	2.33	2.89	3.97	3.43	5.60	0.80	31.59
1964	1.29	0.52	2.63	1.92	2.98	1.88	1.38	2.75	1.99	3.08	2.32	5.53	28.27
1965	3.95	0.18	2.14	0.50	3.22	0.34	3.83	3.32	5.91	2.27	3.61	6.49	35.76

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